

In the Claims:

No amendments to the claims are presented.

1. (Previously Presented) An audio system for use with an audio source that provides an input audio signal, the system comprising:

an acoustic source to combine an identification signal with the input audio signal to produce an output audio signal, the identification signal identifying the acoustic source; and

a remote control device to control the acoustic source, to receive the output audio signal, and to identify the acoustic source based on the identification signal.

2. (Original) An audio system as claimed in Claim 1, wherein the identification signal included within the output audio signal is arranged to be inaudible.

3. (Previously Presented) An audio system as claimed in claim 1, wherein the input audio signal is modulated with the identification signal.

4. (Previously Presented) An audio system as claimed in claim 1, wherein the identification signal comprises a pseudo random noise signal.

5. (Previously Presented) An audio system as claimed in claim 1, and including circuitry to determine the distance between the acoustic source and the remote control device.

6. (Previously Presented) An audio system as claimed in Claim 5, wherein the circuitry to determine the said distance is responsive to a timed receipt of the identification signal.

7. (Previously Presented) An audio system as claimed in Claim 6, wherein the remote control device is arranged to generate a timing reference signal and transmit the timing reference signal to the acoustic source.

8. (Previously Presented) An audio system as claimed in Claim 6, wherein the acoustic source is arranged to produce a timing reference signal and to transmit an indication of the timing reference signal to the remote control unit.
9. (Previously Presented) An audio system as claimed in claim 5, wherein the said distance between the acoustic source and the remote control device is determined on the basis of the timed receipt of the audio output signal from the acoustic source at the remote control device.
10. (Previously Presented) An audio system as claimed in claim 1, wherein the remote control unit is arranged to transmit a controlling signal to the acoustic source serving to control the volume of the output audio signal in a manner responsive to a change in distance of the remote control device from the acoustic source.
11. (Previously Presented) An audio system as claimed in Claim 10, wherein the change in distance is determined on the basis of a change in magnitude of the output audio signal as received at the remote control device.
12. (Previously Presented) An audio system as claimed in claim 1, further comprising circuitry to determine the position of the remote control device relative to the acoustic source on the basis of the identification signal received at the remote control device.
13. (Previously Presented) An audio system as claimed in Claim 12, wherein the acoustic source is arranged to provide a plurality of output channels, wherein a different identification signal is associated with the audio signal output from each channel.
14. (Previously Presented) An audio system as claimed in Claim 13, wherein the remote control device is arranged to transmit a signal to the acoustic source serving to vary the output from at least one of the said channels in response to the determined position of the remote control device relative to the acoustic source.

15. (Previously Presented) An audio system as claimed in Claim 13, wherein the remote control device is arranged to transmit a signal to the acoustic source serving to vary the output from at least one of the said channels in response to a change in position of the remote control device relative to the acoustic source.

16. (Previously Presented) An audio system as claimed in Claim 15, further comprising a plurality of acoustic sources arranged to be located in a spaced relationship and circuitry to hand-over the audio signal output there-between responsive to a control signal from the remote control device, the remote control device being arranged to generate the control signal responsive to determination of the change in location of the remote control device relative to the said plurality of acoustic sources.

17. (Previously Presented) An audio system as claimed in claim 1, wherein the acoustic source is arranged such that the identification signal is included within the output audio signal and with a relatively high carrier frequency.

18. (Original) An audio system as claimed in Claim 17 wherein the carrier frequency comprises at least a low ultrasound frequency.

19. (Previously Presented) A method of controlling an acoustic source arranged for outputting an audio signal, the method comprising:

combining an identification signal with an input audio signal to produce an output audio signal, the identification signal identifying the acoustic source;

receiving, at a remote control device arranged for control of the acoustic source, the output audio signal;

processing the received output audio signal to identify the acoustic source based on the identification signal; and

transmitting a control signal from the remote control device to the identified acoustic source.

20. (Previously Presented) A method as claimed in Claim 19, wherein the identification signal included within the output audio signal is arranged to be inaudible.

21. (Previously Presented) A method as claimed in claim 20, wherein the input audio signal is modulated with the identification signal.

22. (Previously Presented) A method as claimed in claim 19, wherein the identification signal comprises a pseudo random noise signal.

23. (Previously Presented) A method as claimed in claim 19, further comprising determining a distance between the acoustic source and the remote control device.

24. (Previously Presented) A method as claimed in claim 23, wherein the remote control unit is arranged to transmit the control signal to the acoustic source to control the volume of the output audio signal in a manner responsive to a change in the distance of the remote control device from the acoustic source.

25. (Previously Presented) A method as claimed in Claim 24, wherein the change in distance is determined on the basis of a change in magnitude of the output audio signal as received at the remote control device.

26. (Previously Presented) A method as claimed in claim 19, further comprising determining a position of the remote control device relative to the acoustic source on the basis of the identification signal received at the remote control device.

27. (Previously Presented) An acoustic source for use in an audio system which includes an audio source that provides an input audio signal and a remote control device that controls the acoustic source responsive to an output audio signal provided by the acoustic source, the acoustic source comprising:

 circuitry to combine an identification signal with the input audio signal to produce the output audio signal, the identification signal identifying the acoustic source; and

circuitry to provide the output audio signal to the remote control device.

28. (Canceled)

29. (Previously Presented) A remote control device for controlling an output audio signal provided by an acoustic source, the acoustic source combining an identification signal with an input audio signal to produce the output audio signal, the identification signal indentifying the acoustic source, the remote control device comprising:

circuitry, including an antenna, to receive the output audio signal;

circuitry, including a processor, to process the received output audio signal to identify the acoustic source based on the identification signal; and

circuitry, including a transmitter, to transmit a control signal to the identified acoustic source.

30. (Previously Presented) A remote control device for controlling an audio signal output by an acoustic source and arranged for use in an audio system as claimed in claim 1.

31. (Cancelled)